TITLE

METHODS FOR ACCUMULATING TRANSLOCATED PROTEINS

ABSTRACT

The present invention provides methods for the accumulation of translocated proteins through targeting to the apoplast, ER lumen, and vacuoles of plants. The methods proceed by providing a consisting of a DNA construct comprising a sporamin signal sequence and a target protein, and optionally, a sporamin propeptide and/or an ER retention signal, according to the specific tissue of the plant in which the translocated protein is expressed and targeted. The work disclosed herein represents the first systematic determination of each respective location's capacity for translocated protein accumulation in different plant tissues.

SNF/dmm